



USAID
FROM THE AMERICAN PEOPLE



USAID WATER AND SANITATION PROJECT

Quarterly Report

October 1, 2019 - December 31, 2019

This publication was produced by the USAID Water and Sanitation project under Contract No. AID-OAA-I-14-00049/720521-18F00001 at the request of the United States Agency for International Development. This document is made possible by the support of the American people through the United States Agency for International Development. Its contents are the sole responsibility of the author or authors and do not necessarily reflect the views of USAID or the U.S. Government.

USAID WATER AND SANITATION PROJECT

Quarterly Report

October 1, 2019 - December 31, 2019

Program Title:	USAID Water and Sanitation Project
Sponsoring USAID Office:	USAID/Haiti's Office of Infrastructure, Engineering and Energy (OIEE)
Contract Number:	AID-OAA-I-14-00049/720521-18F00001
Contractor:	DAI Global, LLC
Date of Publication:	30 January 2020
Revision:	---
Author:	DAI Global, LLC

Cover photo: The Project and the construction subcontractor, STAECl team meeting at the Charpentier wellfield in Les Cayes.

TABLE OF CONTENTS

PROJECT OVERVIEW	I
REPORT HIGHLIGHTS	I
COMPONENT 1: INCREASING ACCESS TO SUSTAINABLE WATER SERVICES	3
TASK 1.1: WATER INFRASTRUCTURE ENGINEERING SERVICES	3
TASK 1.2: WATER INFRASTRUCTURE CONSTRUCTION	4
TASK 1.3: TECHNICAL ASSISTANCE FOR WATER SERVICE PROVIDERS	4
Organization and Strategy	5
Human Resource Management	5
Financial Management	6
Technical Operations	6
COMPONENT 2: INCREASING ACCESS TO SUSTAINABLE SANITATION SERVICES	7
TASK 2.1: SUPPORT TO SANITATION ENTERPRISES	7
Sanitation SMES	7
TASK 2.2: WASTE TREATMENT & FECAL SLUDGE MANAGEMENT ENGINEERING SERVICES	8
Morne-À-Cabri Fecal Sludge Management Site	9
The Fonfred Fecal Sludge Management Site	9
TASK 2.3: WASTEWATER TREATMENT & FECAL SLUDGE MANAGEMENT CONSTRUCTION	9
COMPONENT 3: IMPROVING THE ENABLING ENVIRONMENT FOR SUSTAINABLE IMPLEMENTATION, OPERATIONS, AND MAINTENANCE OF WATER AND SANITATION SERVICES	9
TASK 3.1: TECHNICAL ASSISTANCE TO NATIONAL AND SUB-NATIONAL GOVERNMENT STRUCTURES	9
Water	9
Sanitation	10
TASK 3.2: KNOWLEDGE DISSEMINATION AND LEARNING	10
CROSS-CUTTING TECHNICAL ACTIVITIES	11
ENTERPRISE ACCELERATION FUND	11
Active Grants	11
Grants under Review	11
MONITORING, EVALUATION, AND LEARNING	11
Ongoing Monitoring	11
Revisions to the Monitoring, Evaluation, and Learning Plan	12
ENVIRONMENTAL COMPLIANCE	12
GENDER	12

HOW THE PROJECT WILL MEET ITS F-INDICATOR TARGETS THIS YEAR	12
(HL.8.1-1) IND 1.1: NUMBER OF PEOPLE GAINING ACCESS TO BASIC DRINKING WATER SERVICES AS A RESULT OF USG ASSISTANCE: FY2020 TARGET: 25,000	12
(HL.8.1-3) IND 1.2: NUMBER OF PEOPLE RECEIVING IMPROVED SERVICE QUALITY FROM AN EXISTING BASIC OR SAFELY MANAGED DRINKING WATER SERVICE AS A RESULT OF USG ASSISTANCE: FY2020 TARGET: 25,000	13
(HL.8.2-2) IND 3.1: NUMBER OF PEOPLE GAINING ACCESS TO A BASIC SANITATION SERVICE AS A RESULT OF USG ASSISTANCE: FY2020 TARGET: 1,000	14
(HL.8.2-7) IND 3.2: NUMBER PEOPLE RECEIVING IMPROVED SANITATION SERVICE QUALITY FROM AN EXISTING "LIMITED" OR "BASIC" SERVICE AS A RESULT OF USG ASSISTANCE: FY2020 TARGET: 2,000	14
ANNEX 1: PROJECT RESULTS FRAMEWORK	15
ANNEX 2: PROJECT STAFFING UPDATE	18

Figure 1- Project's presentation	2
Figure 2- F10 Repairs wellfield rehabilitated	4
Figure 3- Screenshot of SIGA's billing system.....	6
Figure 4- New custom built reservoir at Charpentier (Les Cayes)	7

Acronyms and abbreviations

AECID	Agencia Española de Cooperación Internacional para el Desarrollo/ Spanish Agency for International Development Cooperation
AEOC	A&E Oversight Contractor
APS	Annual Program Statement
BCC	Behavior Change Communication
BID	Banque interaméricaine de développement/Inter-American Development Bank
BDS	Business Development Services
CCTM	Cross-Cutting Technical Services Manager
CLA	Collaboration, Learning and Adapting
CMAA	Collection, Monitoring, Analysis and Archiving
COP	Chief of Party
CTE	Centre Technique d'Exploitation / Urban Water Utility
DCOP	Deputy Chief of Party
DINEPA	Direction Nationale de l'Eau Potable et de l'Assainissement / National
DQC	Design Quality Control
EDF	Enterprise Acceleration Fund
EMMP	Environmental Mitigation and Monitoring Plan
EMMR	Environmental Mitigation and Monitoring Report
FA	Foundational Activity
FSM	Fecal Sludge Management
GIS	Geospatial Information System
MEL	Monitoring, Evaluation, and Learning
ONEPA	Observatoire National de l'Eau Potable et de l'Assainissement
OREPA	Office Régional de l'Eau Potable et d'Assainissement / Regional Office for Water and Sanitation
PEA	Programmatic Environmental Assessment
QIP	Quick Impact Project
STTA	Short Term Technical Assistance
TA	Technical Assistance
TEPAC	Water Supply and Sanitation Technician
UCLBP	Unité de Construction de Logements et Bâtiments Publics/ Unit for the Construction of Housing and Public Buildings
USAID	United States Agency for International Development
USG	United States Government
WASH	Water, Sanitation, and Hygiene
WSS	Water and Sanitation Services
WSSM	Water and Sanitation Services Manager

PROJECT OVERVIEW

The USAID Water and Sanitation Project is a \$41.8-million, 4.5-year activity implemented in collaboration with Haiti's National Directorate of Potable Water and Sanitation (DINEPA) with the overall goal of improving sanitation and water for all Haitians. The Project is focused on five geographic areas: three areas hard hit by the 2010 cholera outbreak (Cap-Haïtien, Mirebalais, and Canaan) and two areas hard hit in 2016 by Hurricane Mathew (Les Cayes and Jérémie).

The Project's three primary goals are:

- Helping 250,000 people get basic or improved access to water
- Helping 75,000 people get access to basic or improved sanitation
- Laying the foundation for sustainable increases in access to water and sanitation across Haiti

The Project is reaching these goals by focusing on its core values of self-reliance, resilience, and the private-sector approach.

REPORT HIGHLIGHTS

Haiti experienced nearly continuous civil unrest from September to mid-November 2019. Opposing groups were demanding the resignation of the President due to anger over fuel and food shortages, a steep currency devaluation and corruption allegations. They organized violent demonstrations that resulted in armed road blocks in the Capital, most secondary cities, and along the main arteries. Due to these protests, businesses were frequently closed, and it was very difficult to transport goods between the cities. As a result, there were severe fuel shortages throughout the countryside.

Les Cayes had some of the most severe protests. The Project evacuated its staff from Les Cayes at the end of the previous quarter (late September) and did not restart operations there until November. The Project had planned on having two of its senior staff based in Les Cayes to work with the CTE and with the OREPA-Sud. Due to the civil unrest, the Project has held off on posting them to Les Cayes until next quarter (January – March).

The other offices were largely able to function and were only closed for a total of seven days. However, staff was not able to travel, and it was not possible to conduct many training or outreach activities.

Despite these challenges, the Project was able to make progress on a number of fronts:

- The Project signed its operational agreement with DINEPA in which DINEPA confirmed its support of the Project's goals and both parties confirmed their collaboration.
- The first infrastructure construction was completed: the F10 Wellfield Repairs (Cap Haïtien).
- The Project received bids for two infrastructure projects: Drilling of a Test Well at Balan in Cap-Haïtien and Repairs to the Mahotièrè Spring Capping in Jérémie.
- The Project awarded the first Enterprise Acceleration Fund (EAF) grant to the faith-based organization Living Water to rehabilitate a dozen private water points in Cap Haïtien.
- The Project signed an agreement with the World Bank and OREPA-Sud to reopen the Fonfred Fecal sludge management site.
- A contract was signed with Zanmi Lasanté for the study of urban sanitation.
- The Project developed a new infographic showing the different project activities (Figure 1)



USAID
FROM THE AMERICAN PEOPLE

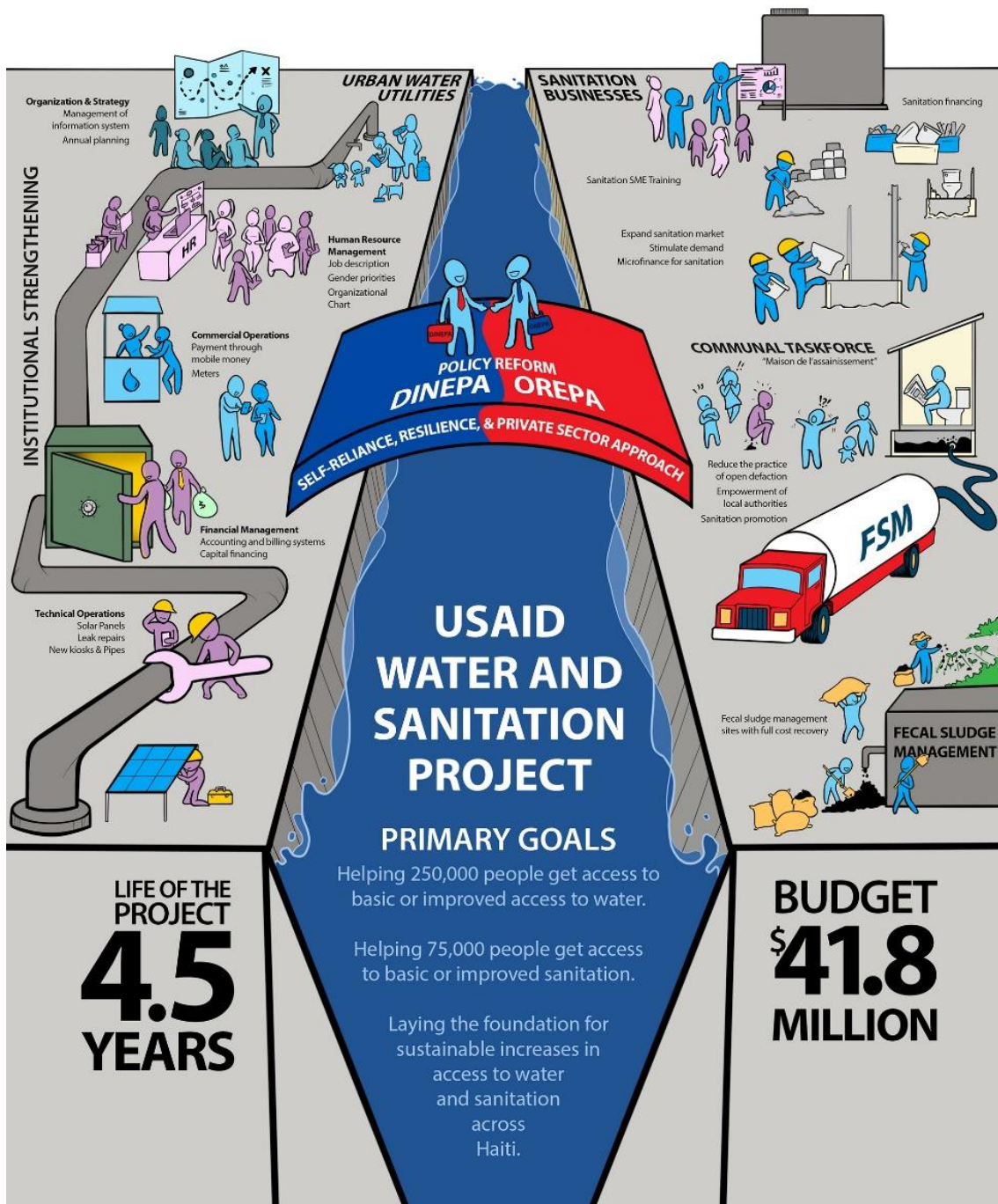


Figure 1- The infographic showing the different project activities

COMPONENT I: INCREASING ACCESS TO SUSTAINABLE WATER SERVICES

Activities under Component I are focused on providing basic or improved water to 250,000 people by building the capacity of the CTEs and their support structures to provide water on a sustainable basis. The Project also funds infrastructure improvements that serve to make the systems more reliable and less expensive to operate.

In the previous year, 18,815 people gained access to improved water service due to the Project's interventions in Les Cayes and Jérémie. During the current year, the Project expects that 25,000 people in Canaan will gain access to basic water and that an additional 25,000 people will gain access to improved water, mainly in Cap Haïtien and Jérémie.

TASK 1.1: WATER INFRASTRUCTURE ENGINEERING SERVICES

The Project is currently on track to complete the planned infrastructure design work during the current fiscal year. The status of the work on each planned activity is as follows:

Cap Haïtien

1. **Drilling of a test well at the Balan wellfield in Cap-Haïtien:** The Project Team completed the design for this test well and received USAID approval to proceed. The Project received bids on December 23rd and expects to award the contract for these works next quarter.
2. **Design of a solar energy system for the Cap-Haïtien wells:** The Project Team completed the conceptual design for the solar system in mid-December. As per the OREPA-Nord's instructions, the solar array is being designed for land adjacent to the F8 well site.
3. **Leak Repair and Metering Program:** The Project engineers will begin identifying the specific locations in Cap Haïtien that require these interventions during the next quarter.

Mirebalais

4. **Leak Repair and Metering Program:** The Project engineers will begin identifying the specific locations in Mirebalais that require these interventions during the next quarter.
5. **Improvements to the Transmission Line from the Mahotièrre Spring Cap (Mirebalais):** Based on detailed field observations, the Project Team has concluded that the problem with the transmission line is a management issue rather than carrying capacity. The current transmission line is capable of carrying sufficient water for Mirebalais, but the water is being used upstream. As part of the technical assistance component, the Project will assist the CTE to better manage this pipe and thereby not require a new one.

Canaan

6. **Design of the Canaan Water Distribution System:** During this quarter, the Project team developed the conceptual design for the system. The Project organized a site visit along with representatives of Unité de Construction de Logements et Bâtiments Publics(French acronym: UCLBP), DINEPA, and the OREPA-Ouest. Based on that site visit, the Project reorganized the concept note to include a phased approach, separating the work on the reservoir, transmission/distribution line, and pump house from the work on the distribution system. During the next quarter, the Project will begin producing the detailed designs.

Les Cayes

7. **Leak Repair and Metering Program:** The Project completed the design of the leak repair and metering program and received approval from USAID. The Project will put this work out for bid next quarter.
8. **Analysis of the Savanne Water Reservoir in Les Cayes:** The CTE was not able to test the Savanne Water Reservoir this quarter as had been planned. It should be tested early next quarter. Based on the result of that test, the Project will work with the OREPA-Sud to determine how to move forward.

Jérémie

9. **Repairs to the Mahotièrre Spring Cap in Jérémie:** The Project put this out for bid at the beginning of the quarter, but only received one bid which was determined to be non-responsive. The Project simplified the requirements and put it out for bid a second time and received multiple offers. Work on this activity should start next quarter.
10. **Leak Repair and Metering Program:** The Project completed the design of the leak repair and metering program and received approval from USAID. The Project will put this work out for bid next quarter.

TASK 1.2: WATER INFRASTRUCTURE CONSTRUCTION

During this quarter, the Project had two active construction activities:

- **F10 Wellfield Repairs in Cap-Haïtien:** This activity was brought to substantial completion at the end of the quarter. This is the first construction activity that the Project has completed.
- **Installation of Hybrid Solar Pumps at the Charpentier Wellfield in Les Cayes:** Work on this construction activity was slow this quarter due to the civil unrest in Haiti. By the end of the quarter, the contractor had installed the work place signs, cleaned the well field and begun the foundation. Although the contractor was expected to complete the works next quarter, it is likely that work will continue into the third quarter of the current fiscal year.



Figure 2- Part of repairs at the F10 wellfield

During the next quarter, work should start on the test well in Balan (Cap Haïtien) and the repairs to the Mahotièrre Spring (Jérémie).

TASK 1.3: TECHNICAL ASSISTANCE FOR WATER SERVICE PROVIDERS

The Project continued to support the CTEs by working through the five dimensions provided by World Bank in their publication, *Water Utility Turnaround Framework: A Guide for Improving Performance* (2018):

- Organization and Strategy,
- Human Resource Management,
- Financial Management,
- Technical Operations, and

- Commercial Operations.

The Project maintained a strong presence in the CTEs with Samuel Mondestin, the DCOP, working directly with the Cap Haïtien CTE, Marc Germain, Senior Advisor, and George Acolor, the Utility Specialist, working closely with the Les Cayes and Jérémie CTEs, and Patrick Louis, Senior Engineer, working with the Mirebalais CTE.

Due to the widespread civil unrest, the Project postponed the training seminars that had been planned for this quarter. The updated training program for Component I is listed in Table I.

Table I. Training Plan for Component I.

#	Module	Topic	Dates
1	Operations and Maintenance Basics	Develop a basic operations plan for each water system	Oct-Nov
2	Rollout mWater nationally	Train the remaining CTEs in the use of mWater	January-February
3	Human Resources Basics	Develop the CTEs organizational chart and job descriptions	February
4	Operational Costs Basics	Understand operational costs and how to manage them	End of March/ early April
5	Budgeting update	Review the status of the annual budget and make any adjustments	End of March/ early April
6	Customer Management Basics	What customers want, how to handle complaints	mid-March
7	Water Safety Plan	Workshop to assist each CTE in developing their water safety plans	mid-May
8	Leak Detection Management	Workshop on water system modeling and how to identify leaks	mid-July
9	How to conduct staff Performance Reviews	Workshop with each CTE to review their org chart and job descriptions and discuss performance reviews	August
10	Budgeting and annual planning	Assist the CTEs in developing their annual plan and budget	September

With a focus on direct mentoring and technical assistance, the Project made progress in each of the five areas as follows:

ORGANIZATION AND STRATEGY

At the end of the previous quarter, the Project held workshops in each region to help the CTEs begin to develop their annual plans. During the current quarter, the Project worked with each CTE to help refine and revise the plans.

HUMAN RESOURCE MANAGEMENT

The Project has begun working with the CTEs to develop a Human Resources Manual that includes clear job descriptions, an organizational chart, and the CTE's human resources policies and regulations. As a first step, the Project met with DINEPA and each of the four CTEs to understand the structure and current policies in each CTE. CFET will produce a report and a draft manual in the next quarter.

FINANCIAL MANAGEMENT

The Project's focus for financial management is on operationalizing SIGA (French acronym: *Système Informatique pour la Gestion des Abonnées*) in Cap-Haïtien and Les Cayes. SIGA is a custom-built application designed to computerize the management of the water system customers. At the Cap-Haïtien CTE, SIGA is now operational for payment transactions and is in the process of becoming operational for the billing system. However, the computer server at the Les Cayes CTE has stopped working. The Project will help Les Cayes to get their system up and running next quarter. Next quarter, the Project will also develop a road map of how to roll out SIGA to the remaining CTEs.

The screenshot displays the 'Paiement de facture' (Bill Payment) window in the SIGA system. It includes a sidebar with customer details and a main table for payment transactions.

Contrat n°: C057001125
Abonné(e): Abel Leony
Dossier enregistré au n°: P057001125
Adresse : N/A, Rue Saint Pierre, Quamaminthe, 0000

Caractéristiques du branchement
Compteur installé : 003723102
Type compteur : Aucun
Dimension du compteur : 15 mm (1/2")

Date	Description	Montant
06/12/2019	Solde du branchement avant la migr...	26.00
11/01/2020	Facturation partielle - 11 Janvier 2020	16,665.00
Somme		16,691.00

Situation financière
Compte de consommation: 16,691.00
Compte de mensualisation: 12,500.00
Compte d'étalement: 0.00
Sommaire: 29,191.00

Buttons: Saisir un montant, Enregistrer, Fermer. Status: Vous êtes connecté en mode superviseur.

Figure 3- Screenshot of SIGA's billing system

TECHNICAL OPERATIONS

The support to technical operations varied between the different CTEs as described below.

CAP HAÏTIEN

As the infrastructure work was completed on the F10 well field, the Project began working with the CTE on improving the management of site. The Project provided training on management of the pump and generator and the daily log that must be completed. The Project also worked with the CTE to develop a plan to increase the pumping and water distribution. This plan will be put into action in the first part of the next quarter.

MIREBALAIS

The Project worked with the CTE to begin identifying the main sources of non-revenue water loss along the transmission line from the Mahotièrre spring into town. These included agricultural use of the piped water, clandestine connections to the transmission line, and rural water kiosks with faucets that were never closed.

Additionally, the Project supplied materials to the CTE to allow it to strengthen its office building. The roof leaked, the cashier did not have a secure area, and the toilet didn't work. In addition to fixing these problems, we also provided materials to build the platform for the generator that the project had donated to them, installed air conditioners, and provided gravel for the driveway. The Project also provided them with paint so that the building looked good once the repairs were done. The work should be complete early next quarter.

JÉRÉMIE

In seeking sustainability in water service delivery, the Project identified some specific challenges, including:

- Dysfunctional rural water kiosks along the Mahotièrre transmission line which are unmanaged, vandalized and perpetually left open, thus contributing to the high system losses;

- Urban kiosks in Jérémie which are closed most of the time, and therefore do not adequately serve the needs of the communities; and
- Water trucks in Jérémie which draw water from the DINEPA/ CTE supply sources for on-selling to clients without payment to the CTE, thereby contributing to the high volume of Non-Revenue Water recorded by the Jérémie CTE.

In response to these specific challenges, the Project has hired a Social Engineering and Communications Consultant (Mme. Dilna Lagrenade) who is a resident of Jérémie and is well-known in the communities, to help the CTE address these challenges.

In addition, the Project continued to support the Jérémie CTE in its program to repair leaks in the system. They repaired 15 leaks to date.

LES CAYES

The town of Les Cayes was one of the areas hardest hit by the civil unrest last quarter. The Project evacuated its staff from Les Cayes at the end of the previous quarter and was not able to allow them to return until late in the quarter. However, once the situation stabilized, the Project was able to resume providing them with fuel and to install a new 2,000-gallon fuel reservoir at the site. Next quarter, Marc Germain, Senior Advisor, and George Acolor, the Utility Specialist will move to Les Cayes to provide more direct support.



Figure 4- New custom-built reservoir being delivered to the Charpentier well field (Les Cayes).

COMPONENT 2: INCREASING ACCESS TO SUSTAINABLE SANITATION SERVICES

The Project activities under Component 2 are focused on providing basic or improved sanitation to 75,000 people by strengthening the capacity of small and medium enterprises (SMEs) to market sanitation products and by assisting DINEPA to reopen the fecal sludge management facilities in Les Cayes (Fonfred) and near Canaan (Morne-à-Cabri).

TASK 2.1: SUPPORT TO SANITATION ENTERPRISES

SANITATION SMES

START AND IMPROVE YOUR BUSINESS TRAINING

A key component of the Project is improving access to basic sanitation services by helping small and medium enterprises (SMEs) increase both their market penetration and their sales of sanitation products and services.

To this end, during this quarter, the Project conducted a Train-the-Trainers program on the *Start and Improve Your Business* (SIYB) course, which was developed by the International Labor Organization (ILO). SIYB provides techniques for developing detailed business plans and advancing entrepreneurial skills. The Project's Master Trainer, Amadou Lo, was hired for a short-term consultancy and began training for

both the Project and for staff from Haiti's Water and Sanitation Directorate (DINEPA) between November 20 and December 3 in Pétion-ville. Mr. Lo offered training techniques and proven approaches to growing businesses as well as monitoring the local implementation of these approaches in December in Cap-Haïtien with the trainees and the SMEs. He aimed to train SMEs to produce their own business plans, and their submissions are due during the next quarter. Training for the SMEs in the four other communes will occur next quarter.

CREATION OF MARKETING MATERIAL FOR SMES

With the same purpose of increasing market penetration and the sales of sanitation products and services, the Project contracted a consulting firm to develop a toilet catalog for the SMEs. This toilet catalog aims to be a marketing tool for all the SMEs, providing affordable and clean toilet choices to the customers. This toilet catalog will present various choices of toilets with price ranges. The Project received the first draft in December and will receive the final version next quarter.

INNOVATIONS IN SANITATION

The Project will use the Enterprise Acceleration Fund to help different entrepreneurs introduce new innovations including different types of toilet seats, easy-assemble building blocks, micro-finance options, and on-site waste treatment through biodigesters. The Project will organize a road show to share these different technologies in each target area later in the year.

TRAINING PLAN

The updated training plan for the sanitation SMEs is presented in Table 2 below.

Table 2. Updated training plan for the sanitation SMEs.

#	Module	Dates
2	Training of Trainers for the Start and Improve Your Business Program	20 November to 3 December
3	Start and Improve Your Business Program training for Cap SMEs	16-20 December
4	Start and Improve Your Business Program training for Mirebalais SMEs	13-17 January
5	Start and Improve Your Business Program training for Jérémie SMEs	20-24 January
6	Start and Improve Your Business Program training for Les Cayes SMEs	27-31 January
7	Start and Improve Your Business Program training for Canaan SMEs	3-8 February
8	Start and Improve Your Business Program training for Bayakous	April
9	Lessons learned workshop (2 days)	August
10	Roadshow of new technologies	September

TASK 2.2: WASTE TREATMENT & FECAL SLUDGE MANAGEMENT ENGINEERING SERVICES

The Project started to work on the design of maintenance and upgrading of the Morne-à-Cabri site and the Operations Manual for the Fonfred site. By assisting DINEPA in operating those sites on a cost-recovery basis, the Project will improve the sanitation value chain and provide improved sanitation to at least 70,000 people.

MORNE-À-CABRI FECAL SLUDGE MANAGEMENT SITE

As a first step in helping the facility reopen, the Project submitted the scoping statement for the environmental assessment of the Morne-à-Cabri FSM Site in November (see section on Environmental Management below for additional details).

The Project engineers also worked on the design of the maintenance and upgrading of the site, which should be finalized by the beginning of next quarter.

THE FONFRED FECAL SLUDGE MANAGEMENT SITE

The Project will adapt the design and needs for the Fonfred site based on the design of the Morne-à-Cabri site. This plan will be submitted next quarter.

The Project is working with the World Bank and the Water Office for the South Region (OREPA-Sud) to reopen what will be the only fecal sludge management facility in the South (Fonfred). The three parties signed an agreement through which the World Bank will finance the infrastructure works, USAID will finance the operational costs, and the OREPA-Sud will provide the overall management. The Project will support the OREPA-Sud to estimate in detail the site's operational costs, the expected demand for sludge transport services, and the user fees that could be charged.

TASK 2.3: WASTEWATER TREATMENT & FECAL SLUDGE MANAGEMENT CONSTRUCTION

The Project did not begin any construction work on the wastewater and fecal sludge management sites although the procurement for the work described under Task 2.2 above should be underway during the upcoming quarter.

COMPONENT 3: IMPROVING THE ENABLING ENVIRONMENT FOR SUSTAINABLE IMPLEMENTATION, OPERATIONS, AND MAINTENANCE OF WATER AND SANITATION SERVICES

The Project's third goal is to lay the foundation for sustainable increases in access to safe water and sanitation. It is meeting this goal by building successes at the local level and then working through DINEPA and other institutions to share these on a broader scale (Task 3.1) and by holding national events and publishing the lessons learned (Task 3.2).

TASK 3.1: TECHNICAL ASSISTANCE TO NATIONAL AND SUB-NATIONAL GOVERNMENT STRUCTURES

WATER

The Project and DINEPA signed an operational agreement that lays out the roles and responsibilities of each party. DINEPA has committed to actively supporting the project by providing access to all relevant studies, keeping the Project up to date on changes in the sector, coordinating Project activities with other donors, and encouraging the local water authorities to fully and transparently cooperate with the Project. The Project committed to implementing the activities as agreed upon by DINEPA (an overview

of the Project activities was annexed to the Accord) and to informing DINEPA of any unexpected changes to the activities.

The Project's planned training to expand the use of mWater throughout the country was postponed until next quarter due to the civil unrest. At the end of the next quarter, the Project will hold regional workshops with the CTEs in Port-de-Paix, Jacmel, and St. Marc to share the lessons learned. The Port-de-Paix and Jacmel CTEs will share their experiences on becoming self-reliant. This will also be an opportunity to display the results of the annual planning of each CTE alongside their data management experiences associated with mWater.

The Project is also working with DINEPA to introduce mobile money payments to DINEPA. The CTE in Les Cayes has agreed to pilot this activity. The Project is working with the CTE to prepare it to be able to receive mobile payments and with DINEPA to work out the financial agreement with different mobile money providers. The first of these providers is likely to be Digicel via their MonCash program.

SANITATION

The Sanitation Manager, GIS specialist and Infrastructure Manager of the Project collaborated to develop the first draft of sanitation zoning in Les Cayes. The draft was presented to DINEPA's Sanitation Director and the Director of OREPA-Sud to obtain feedback. Positive feedback was received, and the revised version should be submitted in the first few weeks of the next quarter. Numerous sanitation zoning ideas have been presented to DINEPA over the past several years, but none of them have been approved. Success in this regard for the Project will be notable and will help establish a reliable and accurate methodology for sanitation zoning.

The Sanitation Team worked with the Sanitation Directorate of DINEPA to develop the content for the orientation module targeting officials involved the sanitation task forces in the targeted communes. The aim of this intervention is to provide a technical package to each group to help them better plan sanitation intervention in their communes. The Project will work with the OREPAs to support behavior change communications effort for sanitation from their communal plans.

#	Module	Dates
1	Sanitation promotion techniques and Planning workshop with "Tables de quartier" in Canaan	4 to 6 March
2	Sanitation orientation and planning for CECAJ- Jeremie	11 to 13 March
3	Sanitation orientation and planning for CERAC- Cayes	16 au 18 March
4	Sanitation orientation and planning for CECAM- Mirebalais	11 to 13 March
5	Sanitation orientation and planning for CGECA- Cap-Haitien	16 to 18 March

TASK 3.2: KNOWLEDGE DISSEMINATION AND LEARNING

The project team signed a contract with Zanmi Lasanté to complete research on best practices with respect to urban sanitation in Haiti after the earthquake. This is part of the project's efforts to organize a workshop on sharing lessons at both the national and international levels on this subject.

CROSS-CUTTING TECHNICAL ACTIVITIES

ENTERPRISE ACCELERATION FUND

ACTIVE GRANTS

Last quarter, after receiving USAID approval, the Project signed an agreement with the first grantee: Living Water. This grant will assist 12 small businesses in different parts of Cap-Haïtien to provide safe water by training these entrepreneurs in how to better manage the water by upgrading the water kiosk equipment. Each water point will be equipped with a photovoltaic pumping system and a chlorination unit. Living Water should complete this grant by June 2020.

GRANTS UNDER REVIEW

The Project is currently finalizing Le Levier's proposal to provide microcredit for toilet construction. With this grant, the Project expects the construction of at least 500 new toilets.

Additionally, the Project is focused on finalizing the following grant proposals:

1. **Konbit Monde's proposal to build a biodigester in Cap-Haïtien:** This grant would cover half of the cost of building private biodigesters in Cap-Haïtien. Biodigesters are part of a septic system that convert fecal sludge to fertilizer and capture the methane gas for use as a cooking fuel.
2. **The University of Quisqueya's proposal to develop a system to sanitize biosolids through plant beds:** This grant would cover the cost of developing pilot activity to test the feasibility of implementing plant drying beds technology for processing and recovery of sludge from pits in Haiti. These plant drying beds would allow the fecal sludge from a public fecal sludge facility to be used as fertilizer.
3. **Saniclean's proposal to manufacture interlocking blocks for toilet pit construction:** This grant would support the purchase of a mold for a special kind of concrete block that could be assembled without mortar for pit latrines. It would also support the training of local artisans in how to use it.
4. **The State University at Limonade's proposal to expand their water lab:** This grant would build the skills of local water technicians and increase the availability of water testing in the Cap-Haïtien area. It aims to function sustainably in the long-term on a cost recovery basis.
5. **In-kind Microgrants to the Sanitation SMEs:** The Project is offering performance-based microgrants to the Sanitation SMEs. The Project will give the SMEs in-kind assistance, based on the needs in their business plan, as they hit milestones including completing their business plan and constructing a certain number of toilets.

The Project hopes to sign some of these grants in the next quarter.

MONITORING, EVALUATION, AND LEARNING

ONGOING MONITORING

In the last quarter, the team worked on developing tools for collecting accurate data and ensuring data quality by using the mWater platform. The project provided updates to USAID through TrainNet and DevResults. In addition, the M&E system went through a USAID Data Quality assessment (DQA) for the Water component of the Project. USAID will proceed to the DQA of the Sanitation component next quarter.

The M&E team trained the first grantee, Living Water, to ensure understanding of the Project's indicators.

REVISIONS TO THE MONITORING, EVALUATION, AND LEARNING PLAN

The Project revised and submitted the updated MELP to enhance its alignment with project activities. Following the Data Quality Assessment with USAID, the Project will incorporate suggestions and submit a revised version next quarter.

ENVIRONMENTAL COMPLIANCE

The focus for environmental compliance is on developing Environmental Management and Monitoring Plans (EMMPs) and Environmental Assessments (EAs) for the activities and monitoring the construction activities based on approved EMMPs.

The EMMP for the Construction of a Test Well at Balan (Cap-Haïtien) has been approved and the Morne-à-Cabri scoping statement submitted to USAID.

The Project is developing an Umbrella EMMP for the technical assistance to the sanitation SMEs and the scoping statement for an EA for the Canaan water system. Both should be submitted next quarter.

GENDER

The Gender Safeguard Specialist is currently submitting a weekly highlight about gender to the Project's staff as well as the Project's partners to raise awareness of the importance of gender inequalities and to ensure better understanding of the associated issues and challenges.

The Gender Specialist has developed a survey to better study the management of public kiosks in the commune of Mirebalais and will subsequently offer recommendations for their improved management. An adapted survey is also planned for Les Cayes. Due to political unrest, the survey has not yet been started, but it will be conducted before the end of next quarter.

The Gender Specialist also developed an adapted training module for the Sanitation SMEs and an additional one for the grantees of the Project to raise awareness of gender issues.

HOW THE PROJECT WILL MEET ITS F-INDICATOR TARGETS THIS YEAR

As described in the following sections, the Project is on track to meet all of its F-Indicator targets in FY2020.

(HL.8.1-1) IND 1.1: NUMBER OF PEOPLE GAINING ACCESS TO BASIC DRINKING WATER SERVICES AS A RESULT OF USG ASSISTANCE: FY2020 TARGET: 25,000

The Project will begin work on the Canaan water system during the next quarter. Canaan is the only Project area where most people do not have access to an acceptable water source. During the second quarter of the year, the Project will help the OREPA-West to start-up the water system and to make

the first connections. During the third quarter, the Project will put out for bid the work to improve the production and storage of water and expand the distribution network. By the end of the fourth quarter, at least 25,000 people in Canaan will have access to the piped water network through a mixture of private kiosks and household connections.

(HL.8.1-3) IND 1.2: NUMBER OF PEOPLE RECEIVING IMPROVED SERVICE QUALITY FROM AN EXISTING BASIC OR SAFELY MANAGED DRINKING WATER SERVICE AS A RESULT OF USG ASSISTANCE: FY2020 TARGET: 25,000

The Project will continue working with the Cap Haïtien, Mirebalais, Jérémie, and Les Cayes CTEs to help them to provide improved service quality through their piped water systems and the private water kiosks supported by the Living Water EAF grant. Although all four CTEs should be able to increase their customer base and thereby the number of people receiving improved service quality, the Project expects most of the impact in FY2020 to be in Cap Haïtien, Jérémie, and Mirebalais.

In Cap Haïtien, the Project is helping the CTE to provide water consistently to the 600 households currently connected to the F10 well. Due to the improved infrastructure, the Project's provision of fuel for the generator, and better management of the system; the Project expects the CTE to increase the number of paying customers to 1,500 (7,500 people). Additionally, an estimated 2,500 additional people will have improved service quality from the 12 private kiosks rehabilitated by Living Water.

In Mirebalais, the Project is providing technical assistance for the CTE to repair and better manage the transmission line into the city. Due to this work, the CTE should be able to provide improved water service to its 2,000 customers (10,000 people).

In Les Cayes, the Project will focus on helping the CTE to improve service quality for its existing 3,000 customers. It does not expect a significant increase in customers this fiscal year.

In Jérémie, the Project will begin rehabilitating the Mahotièrè spring during the second quarter. This should significantly increase the amount of water available in Jérémie. With the continued work on repairing leaks, they should be able add an additional 600 paid connection (3,000 people) and provide enough water for an additional four kiosks to operate (2,000 people).

A summary of the number of beneficiaries for this indicator is presented in Table 3.

Table 3. The expected number of beneficiaries of improved water service in FY2020.

CTE	FY18	FY19	FY20	Cumulative
Cap Haïtien	0	0	10,000	10,000
Mirebalais	0	0	10,000	10,000
Les Cayes	0	14,365	0	14,365
Jérémie	0	4,450	5,000	9,450
Total	0	18,815	25,000	43,815

(HL.8.3-3) IND 2.3: NUMBER OF WATER AND SANITATION SECTOR INSTITUTIONS STRENGTHENED TO MANAGE WATER RESOURCES OR IMPROVE WATER SUPPLY AND SANITATION SERVICES AS A RESULT OF USG ASSISTANCE: FY2020 TARGET: 3

The Project has been providing extensive training and technical assistance to the CTEs in Cap-Haïtien, Mirebalais, Les Cayes, and Jérémie since the middle of the previous fiscal year. As a result of this assistance, at least three of these four CTEs should register an improvement in their scores when the Project conducts the annual assessment of their capacity towards the end of this fiscal year.

(HL.8.2-2) IND 3.1: NUMBER OF PEOPLE GAINING ACCESS TO A BASIC SANITATION SERVICE AS A RESULT OF USG ASSISTANCE: FY2020 TARGET: 1,000

The Project is helping people to gain access to basic sanitation by training SMEs to build and market toilets. The Project goal of 1,000 people is equivalent to the construction of 200 new toilets (assuming five people per household). Although the Project's SMEs only built a dozen toilets in the current quarter, it was a particularly difficult quarter. With the end of the civil unrest and the increased assistance, the SMEs should be able to build at least 65 toilets for each of the remaining three quarters so that the Project meets its goal of 200 toilets.

(HL.8.2-7) IND 3.2: NUMBER PEOPLE RECEIVING IMPROVED SANITATION SERVICE QUALITY FROM AN EXISTING "LIMITED" OR "BASIC" SERVICE AS A RESULT OF USG ASSISTANCE: FY2020 TARGET: 2,000

Once the Project completes the required environmental analysis of its fecal sludge work, it will be able to start providing technical assistance to the Morne-a-Cabri and to the Fonfred sites. Once the Project is able to assist these sites in providing improved service quality, then it will be able to record its first beneficiaries for this indicator.

ANNEX I: PROJECT RESULTS FRAMEWORK

The table below lists the indicators and expected results for the Project from the Project's approved Monitoring, Evaluation, and Learning Plan (MELP) as updated in FY2020.

Performance Indicators	Baseline	FY18	FY19		FY20					FY21	FY22	LOP
		Actual			Target							
		Actual	Actual	Target	Q1	Q2	Q3	Q4	Total	Target	Target	Target
Increasing Access to Sustainable Water Services												
Outcome IND 1: Percentage increase of households in the target communes with access to a basic drinking water source	24%	-	-	-	-	-	-	-	-	-	44%	44%
(HL.8.1-1) IND 1.1: Number of people gaining access to basic drinking water services as a result of USG assistance	0	0	0	0	0	5,000	15,000	25,000	25,000	40,000	40,000	40,000
(HL.8.1-3) IND 1.2: Number of people receiving improved service quality from an existing basic or safely managed drinking water service as a result of USG assistance.	0	0	18,815	15,000	19,380	23,815	33,815	43,815	43,815	125,000	210,000	210,000
Outcome IND 2: Number of service providers demonstrating at least 10% increase in cost recovery as a result of USG assistance.	0	0	0	0	0	0	2	3	3	5	5	5
IND 2.1: Number of CTEs with standard operating procedures for completed water safety plans as a result of USG assistance.	0	0	0	0	0	0	2	3	3	5	5	5
IND 2.2: Number of CTEs with reliable, timely, and affordable supply chains for chlorine as a result of USG assistance	0	0	0	0	0	0	2	3	3	5	5	5

Performance Indicators	Baseline	FY18	FY19		FY20					FY21	FY22	LOP
		Actual			Target							
		Actual	Actual	Target	Q1	Q2	Q3	Q4	Total	Target	Target	
(HL.8.3-3) IND 2.3: Number of water and sanitation sector institutions strengthened to manage water resources or improve water supply and sanitation services as a result of USG assistance	0	0	0	0	0	-	-	3	3	5	5	5
Increasing Access to Sustainable Sanitation Services												
Outcome IND 3: Percentage increase of households in the target communes with access to a basic sanitation facility.	53%	-	-	-	-	-	-	-	60%	-	65%	65%
(HL.8.2-2) IND 3.1: Number of people gaining access to a basic sanitation service as a result of USG assistance	0	0	261	0	22	200	300	500	1,000	3,000	5,000	5,000
(HL.8.2-7) IND 3.2: Number people receiving improved sanitation service quality from an existing "limited" or "basic" service as a result of USG assistance	0	0	0	0	0	0	0	2,000	2,000	70,000	70,000	70,000
Outcome IND 4: Number of SMEs demonstrating increased sales of sanitation products and services as a result of USG assistance	0	0	11	0	3	13	14	15	15	15	15	15
IND 4.1: Number of FSM entrepreneurs and/or SMEs supported as a result of USG assistance	0	0	18	-	4	15	0	15	15	15	15	15
IND 4.2: Number of communes with access to waste treatment capacity as a result of USG assistance	0	0	0	-	0	3	3	3	1	3	3	3

Performance Indicators	Baseline	FY18	FY19		FY20					FY21	FY22	LOP
		Actual			Target							
		Actual	Actual	Target	Q1	Q2	Q3	Q4	Total	Target	Target	
Improving the Enabling Environment for Sustainable Implementation, Operation, and Maintenance of Water and Sanitation Services and Maintenance of Water and Sanitation Services												
Outcome IND 5: Percentage of staff in target sector institutions self-reporting increased ability to perform effectively in assigned job as a result of USG assistance	0	0	-	-	-	-	-	25%	25%	35%	50%	50%
Outcome IND 6: Number of agreed strategies/plans for improved water and/or sanitation service delivery being implemented at the national, regional, and/or commune level as a result of USG assistance	0	0	0	0	2	0	2	0	4	5	6	6
IND 5/6.1: Number of water and sanitation national/sub-national institutions receiving training in support of sector planning, investment, monitoring and/or regulation, as a result of USG assistance	0	0	9	0	9	9	9	9	9	9	9	9
IND 5.2: Number of national or regional events on project learning involving government, civil society, private sector and/or donor partners conducted as a result of USG assistance	0	0	-	-	0	0	0	1	1	1	1	3
IND 6.2: Number of knowledge products supporting sector planning, investment, monitoring, sustained service delivery and/or regulation, disseminated as a result of USG assistance	0	0	0	0	0	0	0	1	1	2	2	5

ANNEX 2: PROJECT STAFFING UPDATE

The Project hired two people during this quarter. One was a new driver for the vehicle that the Project received. The second was the Sanitation and Marketing Coordinator who will coordinate the field work of the Sanitation Team.

During the next quarter, the Project expects to hire a Human Resources Manager to replace the person who resigned last September. The Project should also hire the Communications Assistant during the next quarter.